



# 2023 Regional Safety Targets

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Executive Advisory Committee

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## Federal Guidance

- ▶ TPM guidance established under MAP-21, continues with FAST Act and IIJA
- ▶ MPOs must establish safety performance targets for the following measures:
  - ▶ (1) the number of fatalities;
  - ▶ (2) the rate of fatalities per 100 million vehicle miles traveled (VMT);
  - ▶ (3) the number of serious injuries;
  - ▶ (4) the rate of serious injuries per 100 million VMT; and
  - ▶ (5) the number of non-motorized fatalities and non-motorized serious injuries.
- ▶ 5-Year rolling average is used rather than yearly statistics to smooth data

## National Trends

- ▶ Fatalities seem to be leveling off after a pandemic-era surge
  - ▶ Through September 2022, there has been a .2% increase in national roadway fatalities. (Whereas 2021 saw a 6% increase over 2020)
- ▶ Interesting differences depending on the type of crash and driver:

### Fatalities in 2022 decreased:

- 10% in people younger than 24
- 10% on urban collector and local roads
- 7% in unbelted people in passenger vehicles
- 2% in speeding related crashes.

### Fatalities in 2022 increased:

- 12% on rural roads
- 10% in crashes involving at least one large truck
- 8% among cyclists
- 2% among pedestrians
- 5% among motorcyclists



# Local Context

- ▶ Fatalities continue to rise
  - ▶ 3.6% increase in fatalities
- ▶ Serious Injuries number and rate declined slightly
  - ▶ Accompanying rise in VMT is related
  - ▶ Behavior change may be related: increase in seatbelt usage
- ▶ Non-Motorized Serious Injuries and Fatalities continue to rise moderately

	5-Year Rolling Average - Actual 2017-2021	5-Year Rolling Average - Actual* 2018-2022	Percent Change
Number of Fatalities	314.80	326.20	3.6%
Fatality Rate (per 100 million VMT)	1.14	1.147	0.3%
Number of Serious Injuries	1932.40	1930.87	-0.1%
Rate of Serious Injuries (per 100 million VMT)	7.03001304	6.81	-3.2%
Number of Non-Motorized Fatalities and Serious Injuries Combined	249.4	252.32	1.2%
*Compiled using unofficial 2022 data and trendline projections			

# Target Setting

- ▶ Historically, EWG has adopted the methodology IDOT uses for setting safety targets: **2% reduction across all five measures**
- ▶ In the past 3+ years, our region has NOT met this target for the majority of these measures
  - ▶ This is the first time in three years that ANY targets have been met (Serious Injury Total and Serious Injury Rate)
- ▶ In light of the upcoming Safety Action Plan, EWG staff will research more comprehensive ways of setting safety targets and aligning them with projects and programs that improve regional safety outcomes.

# Comprehensive Safet

- ▶ Safe Streets for All Grant - **AWARDED**
- ▶ More info to come in the next few weeks
- ▶ Should be finalized in time for the third round of funding (implementation)
- ▶ Will likely include a reevaluation of safety target setting methodologies

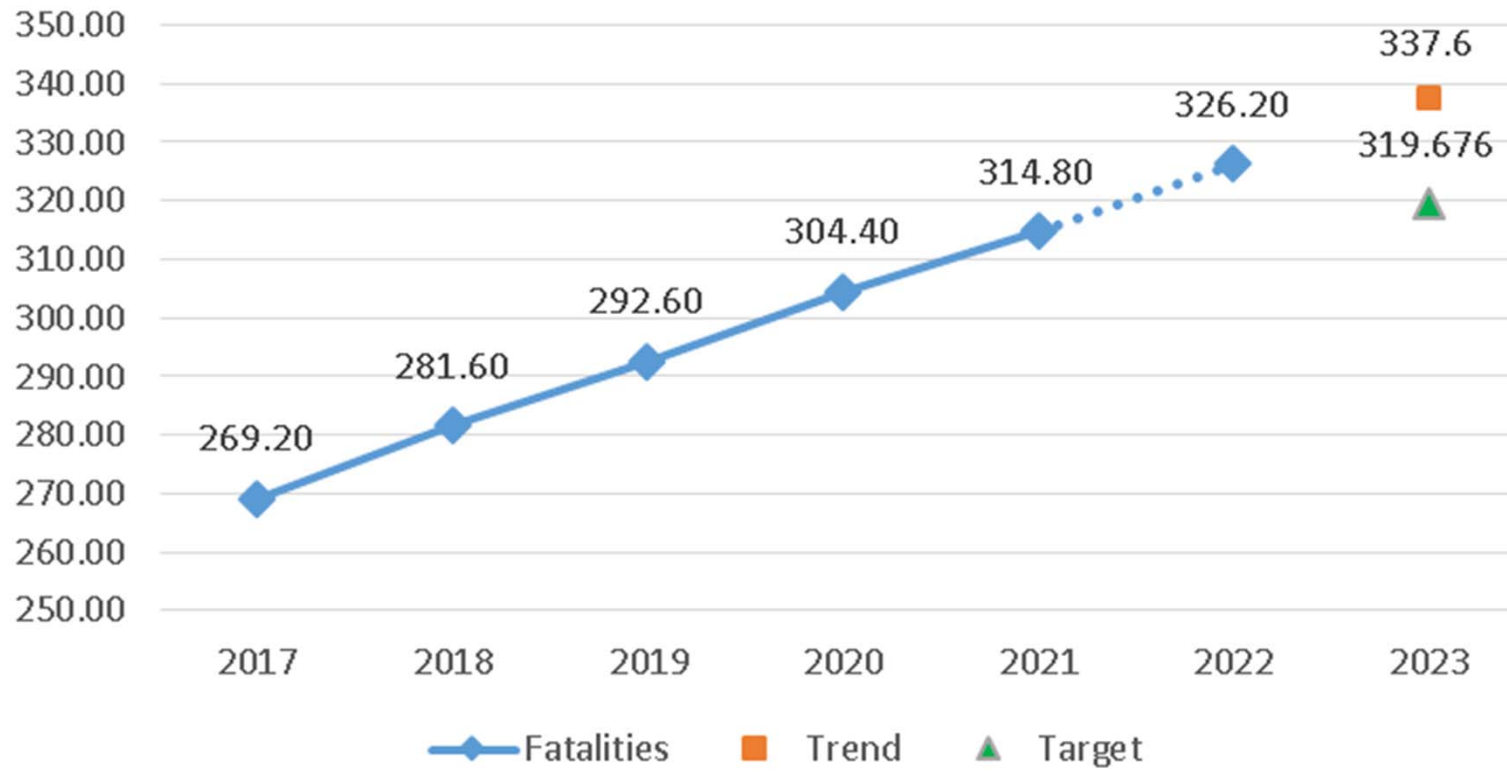
Lead Applicant	Project Title	Type of Plan	Urban/ Rural	Funding Award
City of Columbia	City of Columbia, Missouri Safe Streets for All Supplemental Action Planning	Supplemental Action Plan	Rural	\$1,440,000.00
City of Gower	Safety Action Plan for the City of Gower, MO	Action Plan	Rural	\$50,000.00
City of Kansas City	Vision Zero KC: Supplemental Action Planning	Supplemental Action Plan	Urban	\$880,000.00
City of Kirkwood	City of Kirkwood Toward Zero: Advancing the Kirkwood Vision Zero Action Plan	Supplemental Action Plan	Urban	\$480,000.00
City of Sedalia	City of Sedalia Safe Streets and Roads 4 All Action Plan	Action Plan	Rural	\$200,000.00
East-West Gateway Council of Governments	SS4A Action Plan Grant for St. Louis Region	Action Plan	Urban	\$580,551.92
Northeast Missouri Regional Planning Commission	Northeast Missouri Action Plan to Prevent Roadway Fatalities	Action Plan	Rural	\$200,000.00
Ozarks Transportation Organization	Ozarks Transportation Organization's Safe Streets and Roads for All Action Plan Application	Action Plan	Urban	\$228,800.00
<b>Total Missouri</b>				<b>\$4,419,351.92</b>





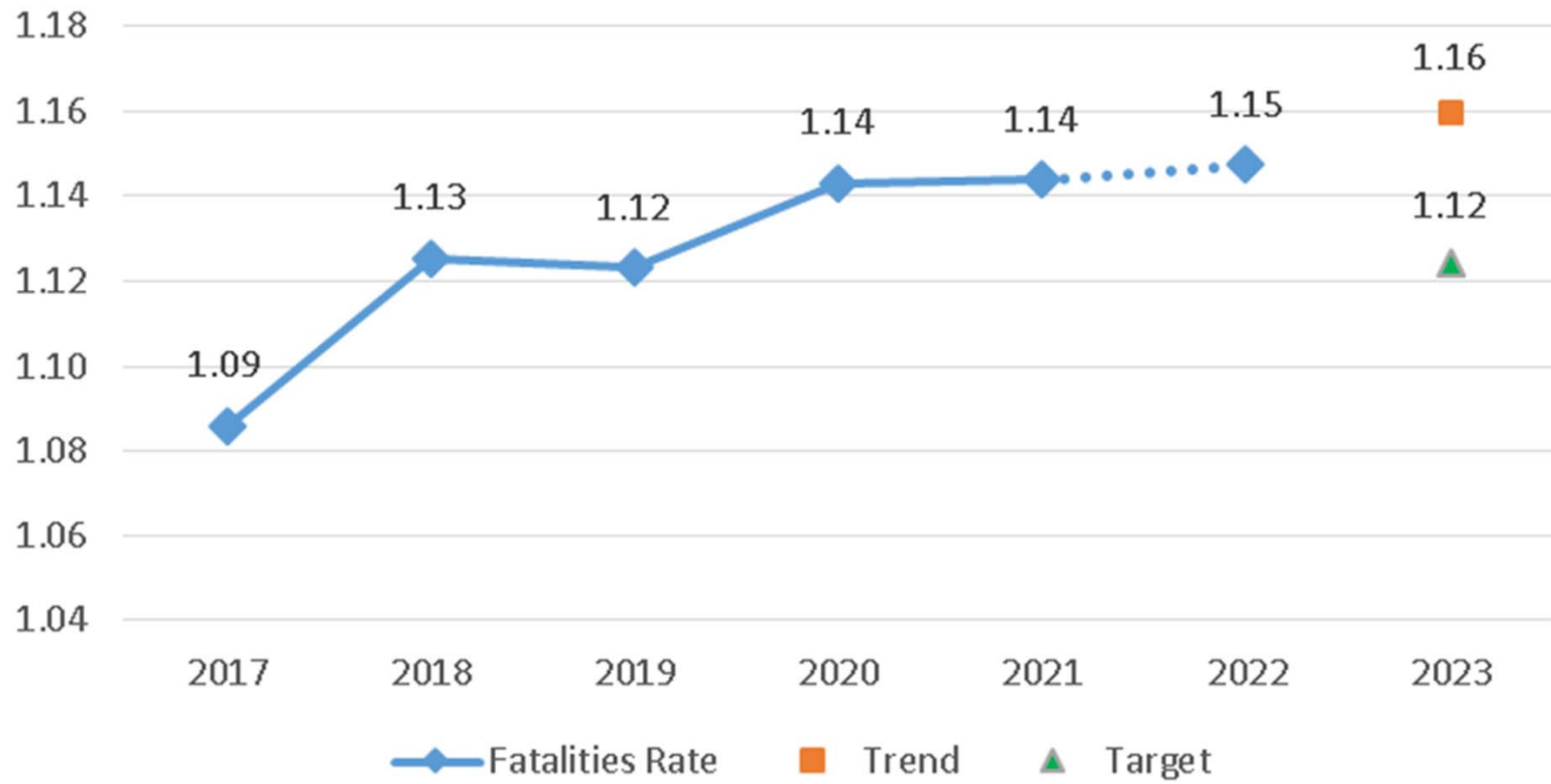
# Safety Trends and Targets

## Fatalities

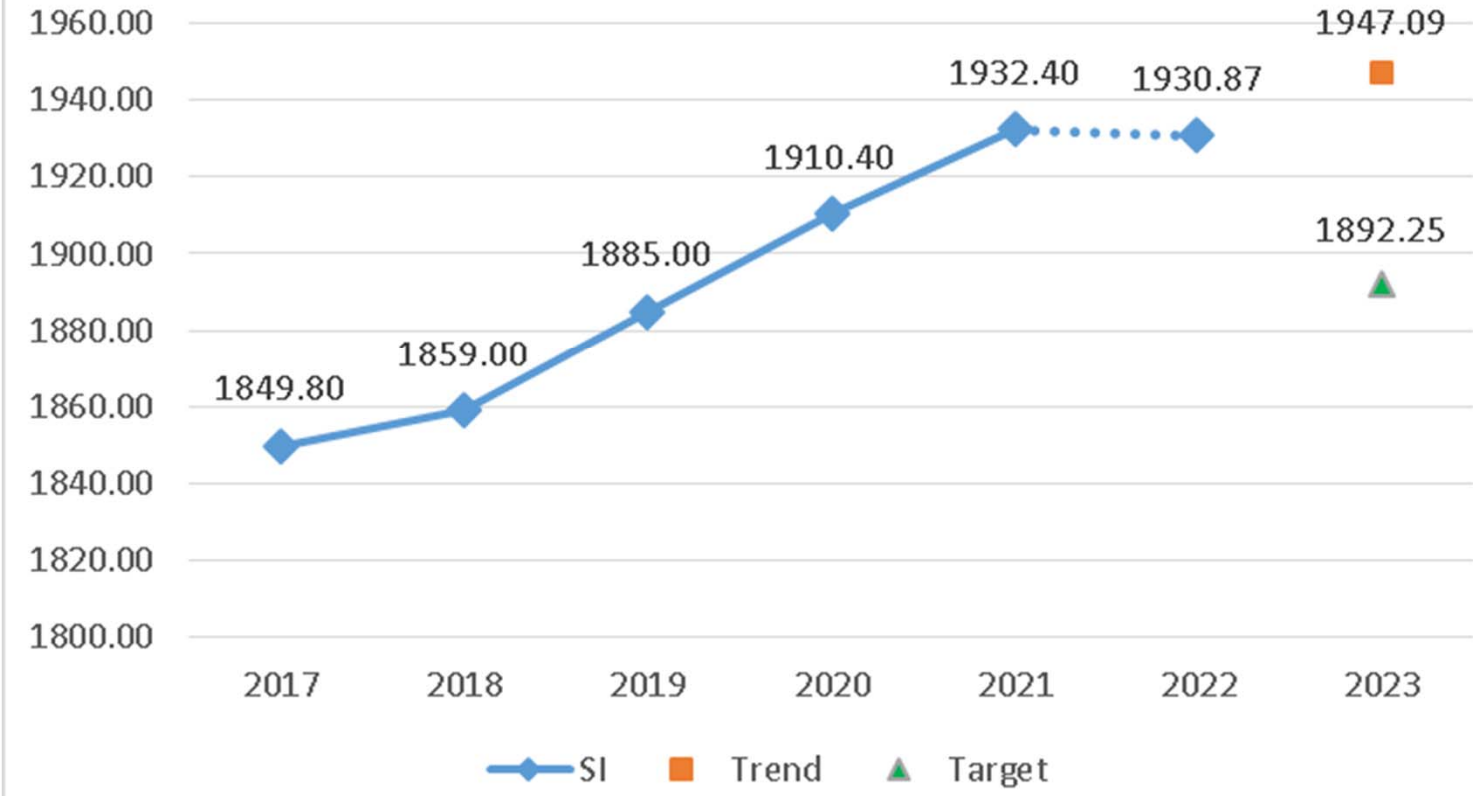




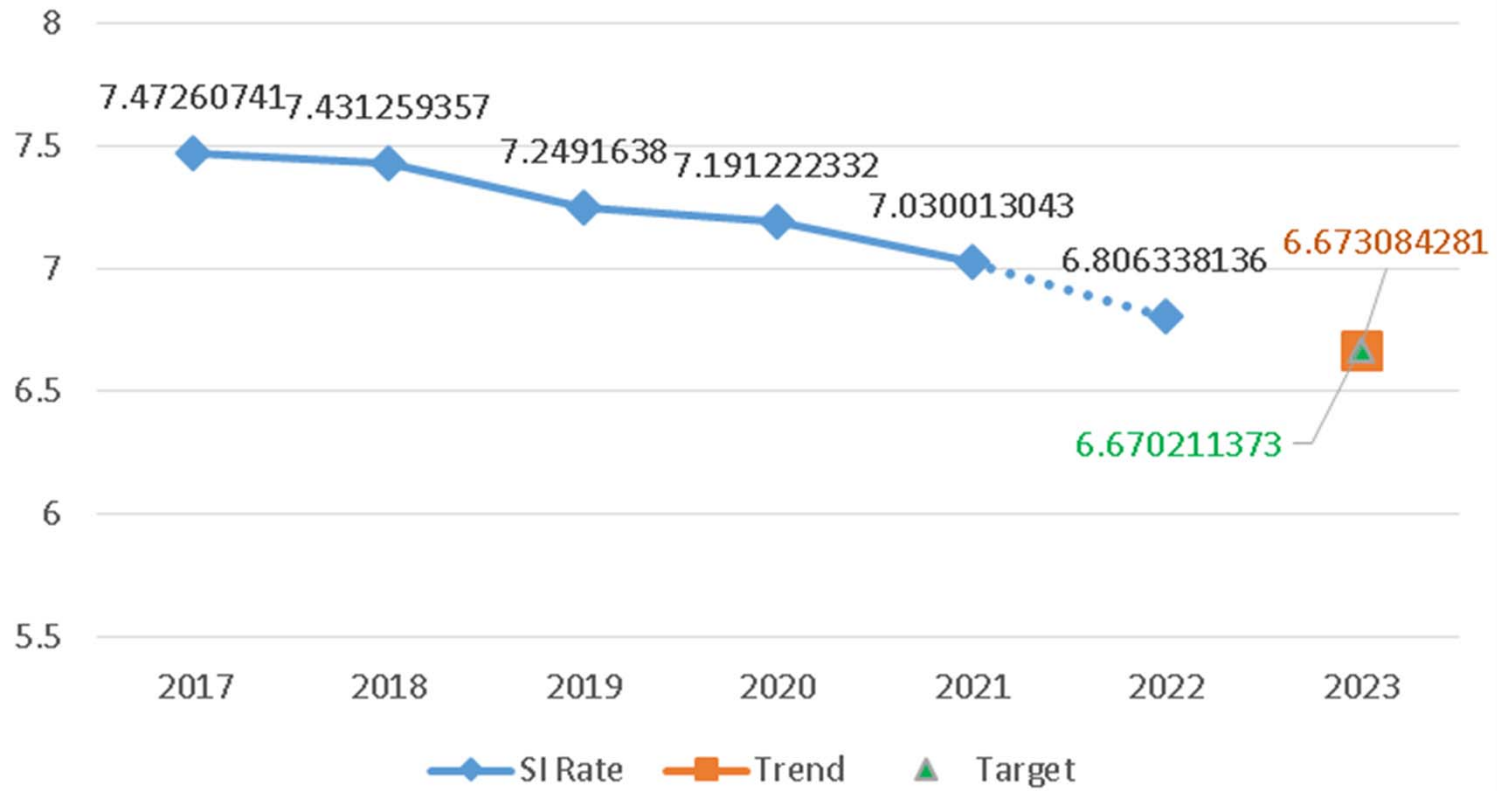
## Fatalities Rate



### Serious Injuries

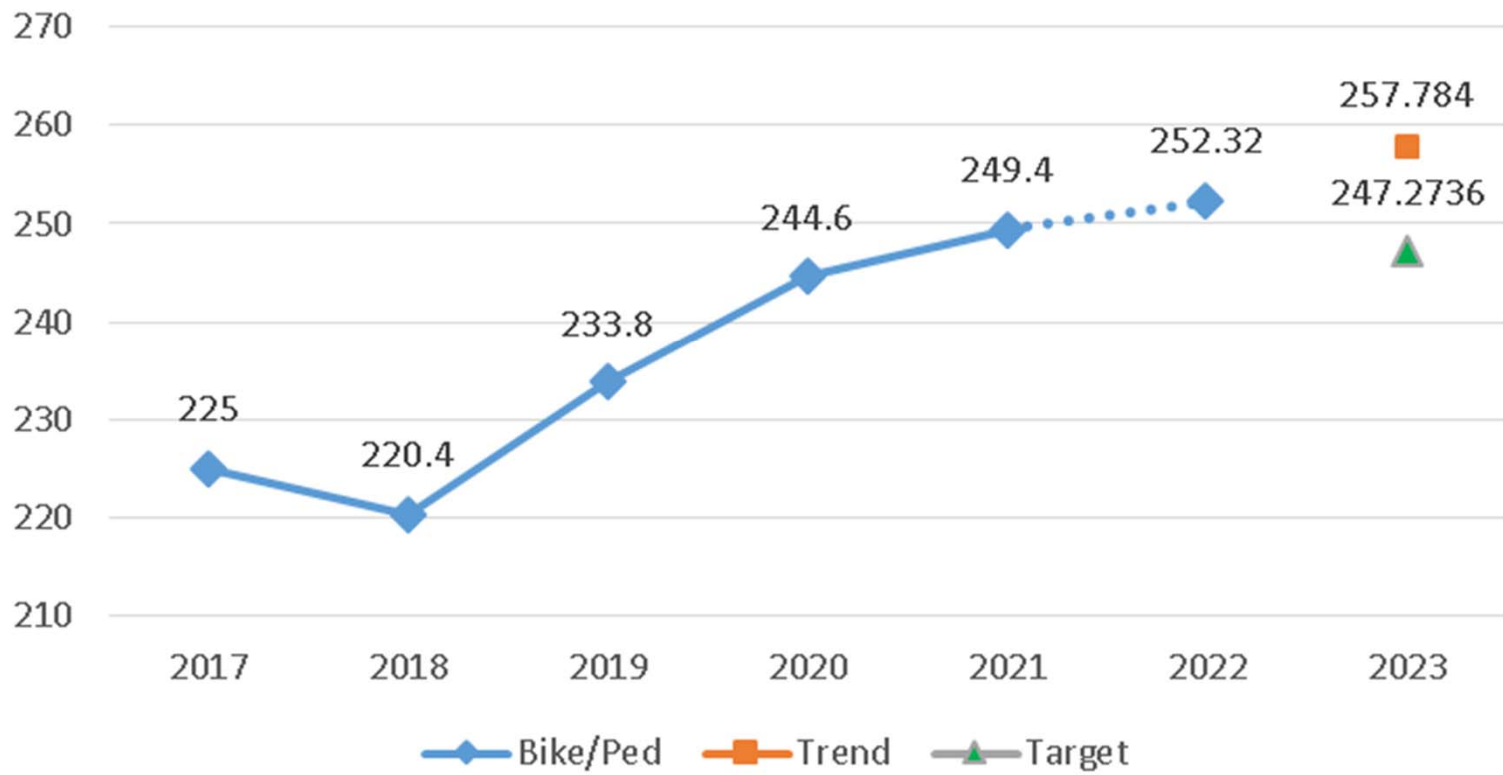


## Serious Injuries Rate





## Non-Motorized Fatalities and Serious Injuries



<b>2022 Regional Safety Performance</b>				
Performance Measure	5-Year Rolling Average Regional Target 2018-2022	5-Year Rolling Average - Actual* 2018-2022	2023 Target Annual Reduction Values	5-Year Rolling Average Regional 2023 Targets**
Number of Fatalities	299.90	326.20	-2%	319.68
Fatality Rate (per 100 million VMT)	1.120	1.147	-2%	1.124
Number of Serious Injuries	1989.40	1930.87	-2%	1892.25
Rate of Serious Injuries (per 100 million VMT)	7.40	6.81	-2%	6.67
Number of Non-Motorized Fatalities and Serious Injuries Combined	234.0	252.32	-2%	247.27
*Compiled using unofficial 2022 data and trendline projections				
**Targets based on 5-year rolling average from CY 2018-2022 and a projected 1% VMT increase per year.				

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